



More information on the website  
[radwag.com/en/info,w1,ASC](http://radwag.com/en/info,w1,ASC)

**XA 110.5Y.F Analytical Balance**



XA 110.5Y.F Analytical Balance

The drawings, photos and graphics used are for illustrative purposes only.

## Functions



Autotest



Dosing



Percent Weighing



Parts counting



Formulation



Newton unit measurement



Statistics



Checkweighing



IR sensors



GLP Procedures



Animal weighing



Pipettes Calibration



Air density correction



Differential weighing



Ambient conditions monitoring



Replaceable unit



Statistical Quality Control



ALIBI Memory



Wi-Fi

# Datasheet

XA 110.5Y.F Analytical Balance	
<b>Metrological parameters</b>	
Maximum capacity [Max]	110 g
Minimum load	1 mg
Readability [d]	0,01 mg
Verification unit [e]	1 mg
Tare range	-110 mg
Standard repeatability [5% Max]	0,007 mg
Standard repeatability [Max]	0,02 mg
Standard minimum weight (USP)	14 mg
Standard minimum weight (U=1%, k=2)	1,4 mg
Permissible repeatability [5% Max]	0,01 mg
Permissible repeatability [Max]	0,03 mg
Linearity	±0,06 mg
Eccentric load deviation	0,06 mg
Sensitivity offset	$2 \times 10^{-6} \times Rt$
Sensitivity time drift	$1 \times 10^{-6} / \text{Year} \times Rt$
Stabilization time	5 s (30 s for filters)
Adjustment	internal (automatic)
OIML Class	I
<b>Physical parameters</b>	
Leveling system	półautomatyczny - LevelSENSING
Display	10" graphic colour touchscreen
Weighing chamber doors	manual
Delivery components	Analytical Balance, weighing pan, weighing pan for filters, weighing pan shield, centring ring, bottom cover, brush, fabric dust cover, power supply.
Weighing pan dimensions	210×254 mm for filters + ø90 mm open-work pan + ø85 mm standard pan (option)
Packaging dimensions	865×510×690 mm
Net weight	12,7 kg
Gross weight	25 kg
<b>Construction</b>	
Protection class	IP 43
<b>Communication interface</b>	
Communication interface	2×USB-A, USB-C, HDMI, Ethernet, Wi-Fi, Hotspot
<b>Electrical parameters</b>	
Power supply	Adapter: 100 – 240V AC 50/60Hz 1A; 15V DC 2,4A Balance: 12 – 15V DC 1,1A max
<b>Environmental conditions</b>	
Operating temperature	+10 ÷ +50 °C

Repeatability is expressed as a standard deviation from 10 weighing cycles. Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile.

\* Wi-Fi® is a registered trademark of Wi-Fi® Alliance.



Extra payment for verification



## Accessories

MediaBox  
RFID Tags  
Antivibration Tables  
Power Adapters  
RS 232, RS 485 cables  
Density determination KIT  
Additional modules  
Professional Weighing Tables  
Protective cover for balances  
Barcode scanners

Label Printers  
THBR 2.0 System - Ambient Conditions Monitoring  
RS 232, RS 485 cables  
Protective cover for balances  
Under-pan weighing  
Antistatic ionizer  
Receipt Printer  
Fingerprint Reader  
RS 232 – USB Converter  
Under-pan weighing

## Software

E2R System  
Label Editor R02  
R-LAB  
RADWAG Development Studio

RAD-KEY  
RADWAG Remote Desktop  
Scales Editor 2.1

## Device dimensions

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